APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

An Experimental Investigation of the Effects of Rotation of the Polarisation Plane and Non-magnetic Polarisation on the sun, by A. B. Severnyi.
RUSSIAN, per. Izvestiya Krymskoi Astrofizicheskoi Observatorii, Vol 31, 1964, pp 126-158.
NLL RTS 2805

Sci - Phys
Sept. 67 340,381

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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Magnetic Fields and the Fine Structure of the Chromosphere in the Active Region, by T. T. Tsap. RUSSIAN, per, Iz Krymsk Astrofiz Observ, Vol XXXI, 1964, pp 22 200-208.
NASA TT F-8984

N.R.L. LOAN ONLY
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Sci-Bar Sci & Astron
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

New Features in the Circuit of the Magnetograph of the Crimean Astrophysical Observatory of the Academy of Sciences USSR, by N. S. Nikulin. RUSSIAN, per, Izvestiya Krimskoi Astronomicheskoi Observatorii, 1964, Vol 31, pp 209-215.
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Aug 65 288,838

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

On the Presence of Oxygen in the Atmosphere of Venus, by V. K. Prokof'yev.
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NASA TT F-8992

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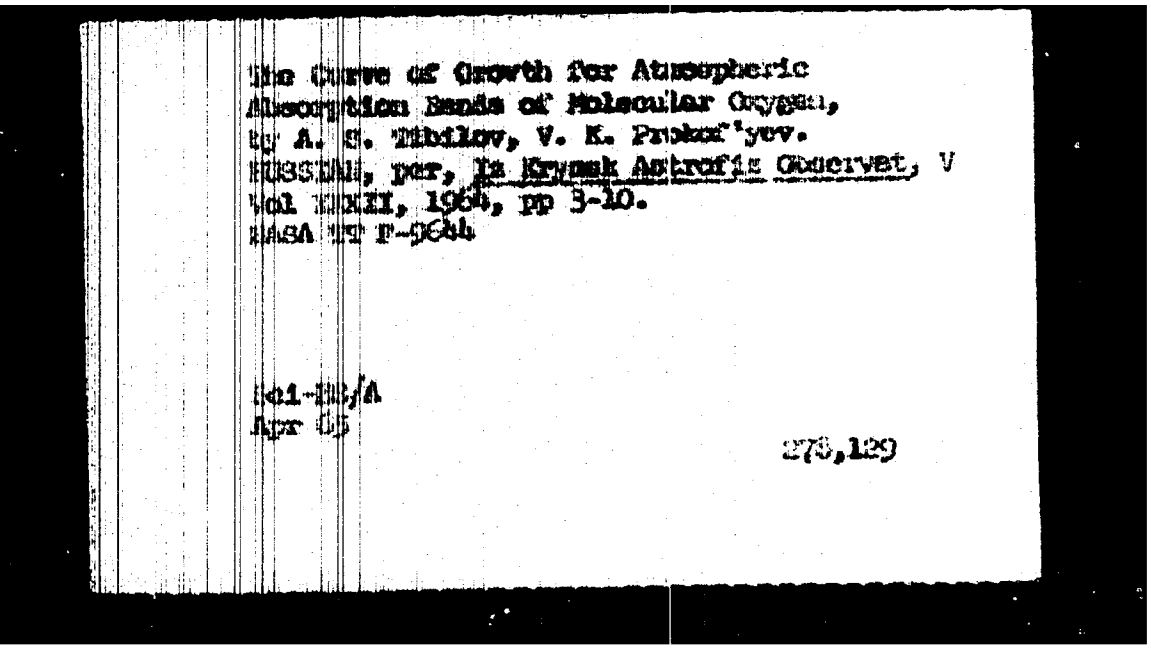
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



The Curve of Growth for Atmospheric
Absorption Bands of Molecular Oxygen,
by A. S. Tikilov, V. K. Prokof'yev.
[illegible], per, Iz Krymsk Astrofiz Observat, V
Vol [illegible]XII, 1964, pp 3-10.
[illegible] TT F-9684

[illegible]-[illegible]/A
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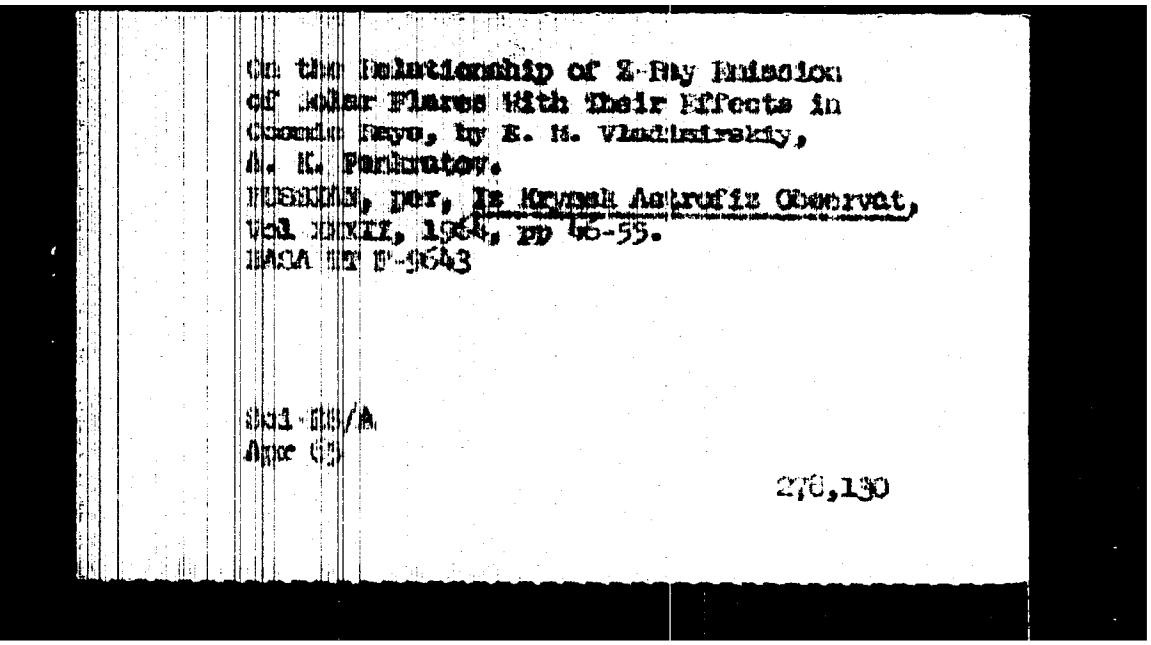
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



On the Relationship of X-Ray Emission of Solar Flares With Their Effects in Ground Layer, by E. M. Vladimirsky, A. K. Perkunov.

[illegible], per, Iz Krymsk Astrofiz Observat, Vol [illegible], 1964, pp 46-55.

NASA TT F-9643

Skl-68/A
Appr (2)

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Ionospheric Effects of Proton and Non-Proton Flares According to Observations at the Ionospheric Station of the Crimean Astrophysical Observatory, by Yu. I. Vinogradov.
RUSSIAN, per. in Kryms. Astrofiz. Observ.
Vol XXXII, 1964, pp 67-75.
NASA TT F-9645

Sci-ES/A
May 68

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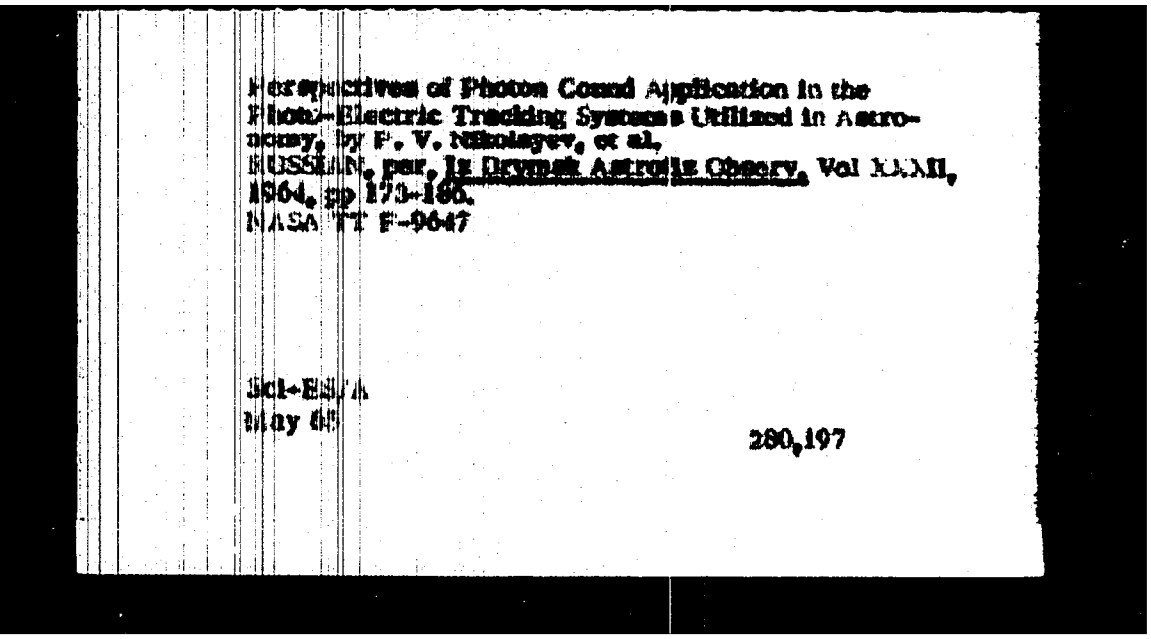
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Perspectives of Photon Count Application in the Photo-Electric Tracking Systems Utilized in Astronomy, by F. V. Nikolayev, et al,
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RUSSIAN, per, Iz Krymskovo Pedagogicheskovo Inst Imeni M. V. Frunze, Vol XXXI, 1958, pp 5-45.

Fisheries Research Board of Canada
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Sci

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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Effect of Aerodynamics and Design Parameters of a Propellor on Propeller Noise, 13 pp.

Russian, per, Iz Leningred Elektrotekh Inst, Vol XXVIII, ~~1956~~ 1955, pp 101-115.

SIR 2872
Head Lib Sev Sec
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Air Info Div

Sci- Aerodynamics, propellors

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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On a Method of Generating Electromagnetic Waves of Millimeter and Sub Millimeter Band, by K. I. Krylov,

RUSSIAN, per, Iz Leningrad Elektrotekh, No 34, 1958, pp 188-199.

*ATIC MCL-1039/1

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C-958

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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Effectively Controlled Phase-Converters (Ferrite Phase Converters), by Yu. V. Yegorov. 13 pp. RUSSIAN, per. Izvestiya Leningrad. Elektrotekhnicheskiy Institut, No 47, 1962, pp 73-85.
P1002142671
FTD-HT-66-391

Sci/Electronics
Aug 67

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

On Multiplier Klystrons with Travelling Waves,
by A. D. Sushkov, 11 pp.
RUSSIAN, per, Leningrad, Elektrotekhnicheskiy
Institut, Izvestiya, No 48, 1963, pp 66-75.
P100186068-V
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Sci/Elect & Elect Engr
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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RUSSIAN, per, Leningrad, Elektrotekhnicheskiy Institut, Izvestiya, No 48, 1963, pp 81-89.
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Semiconductor Thermal Pump Based on the Principle of Combined Use of Thermoelectric Effects, by I. N. Pomazanov, F. L. Tikhomirov, 15 pp.
RUSSIAN, per. Iz Leningrad Elektro Inst, No 51, 1963, pp 94-106.
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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The Electromagnet of a Radiospectrometer for Observation of Nuclear Magnetic and Electron Paramagnetic Resonance, by A. M. Sazonov, 11 pp.
RUSSIAN, per, Izvestiya Leningrad, Elektrotekhnicheskiy Institut,
No 52, 1964, pp 141-150. P100070767
FTD TT 65-1548

Sci-Phys
Mar 67 320,764

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Methods of Statistical-Phytosociological Analysis of Forest Associations, by N. Konovalov, V. Povarnitsyn.

RUSSIAN, per, Iz Leningradskogo Lesnogo Inst, No 35, 1927, pp 69-104.

CSIRO/No 6186

Sci-Agri

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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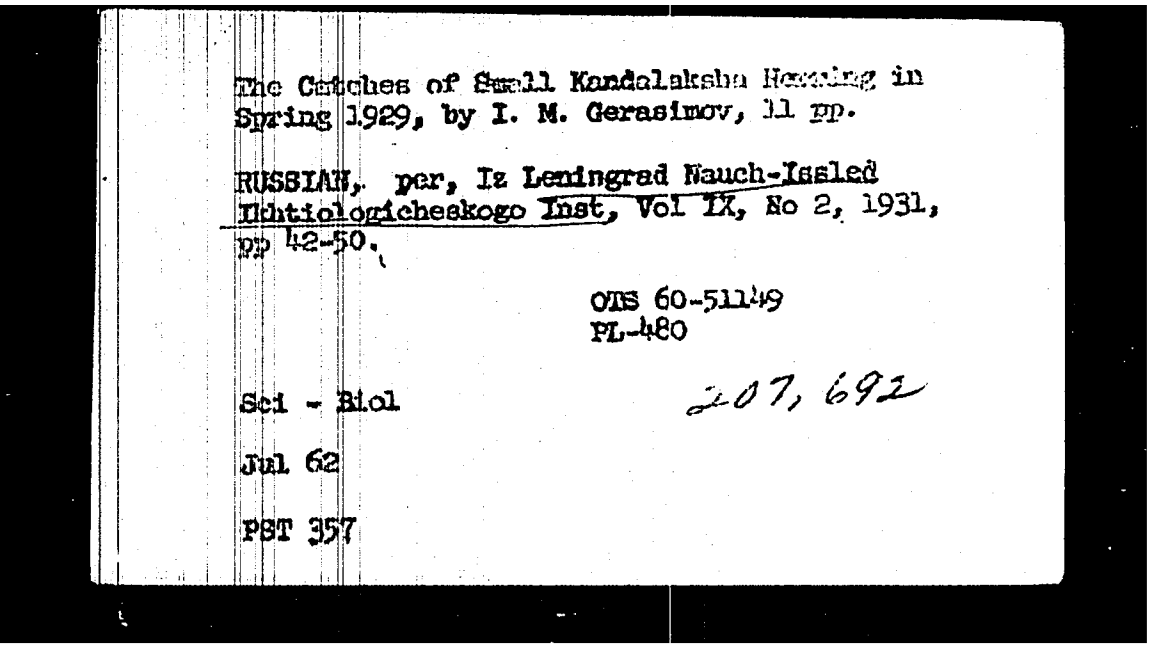

The Catches of Small Kandalaksha Herring in Spring 1929, by I. M. Gerasimov, 11 pp.

RUSSIAN, par, Iz Leningrad Nauch-Issled Ikhtiologicheskogo Inst, Vol IX, No 2, 1931, pp 42-50.

OTS 60-51149
PL-480

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Sci - Biol

Jul 62

PST 357

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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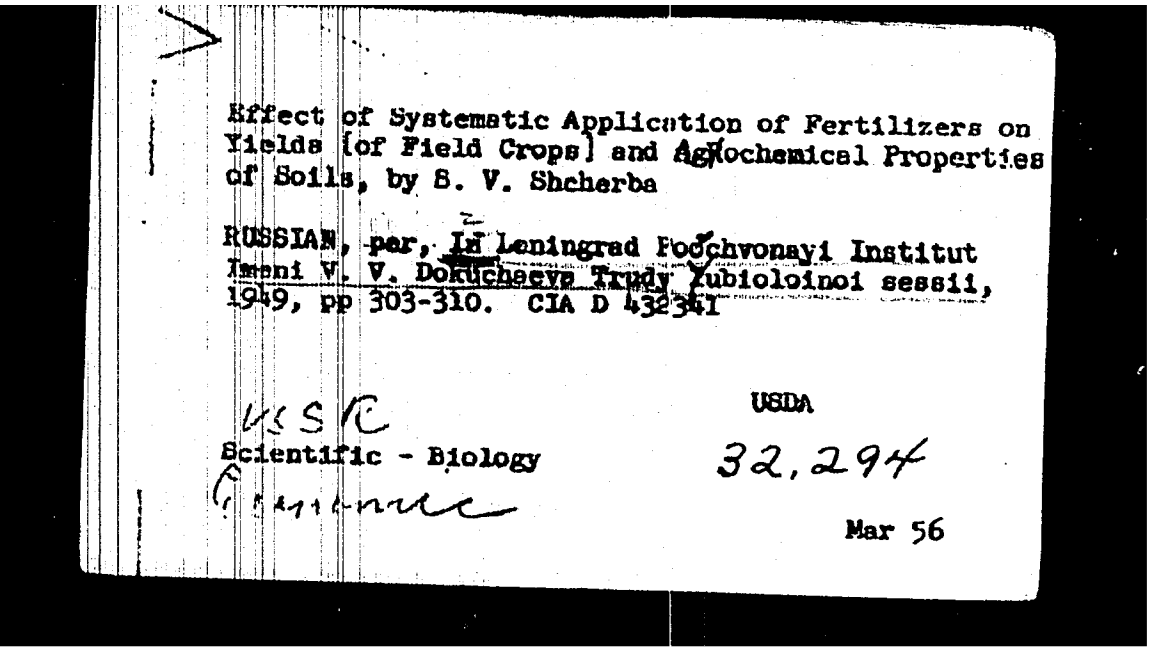

Effect of Systematic Application of Fertilizers on Yields [of Field Crops] and Agrochemical Properties of Soils, by S. V. Shcherba

RUSSIAN, per, In Leningrad Pochvonayi Institut Imeni V. V. Dokuchaeva Trudy Yubileinoi sessii, 1949, pp 303-310. CIA D 432341

USSR
Scientific - Biology
Chemistry

USDA
32,294
Mar 56

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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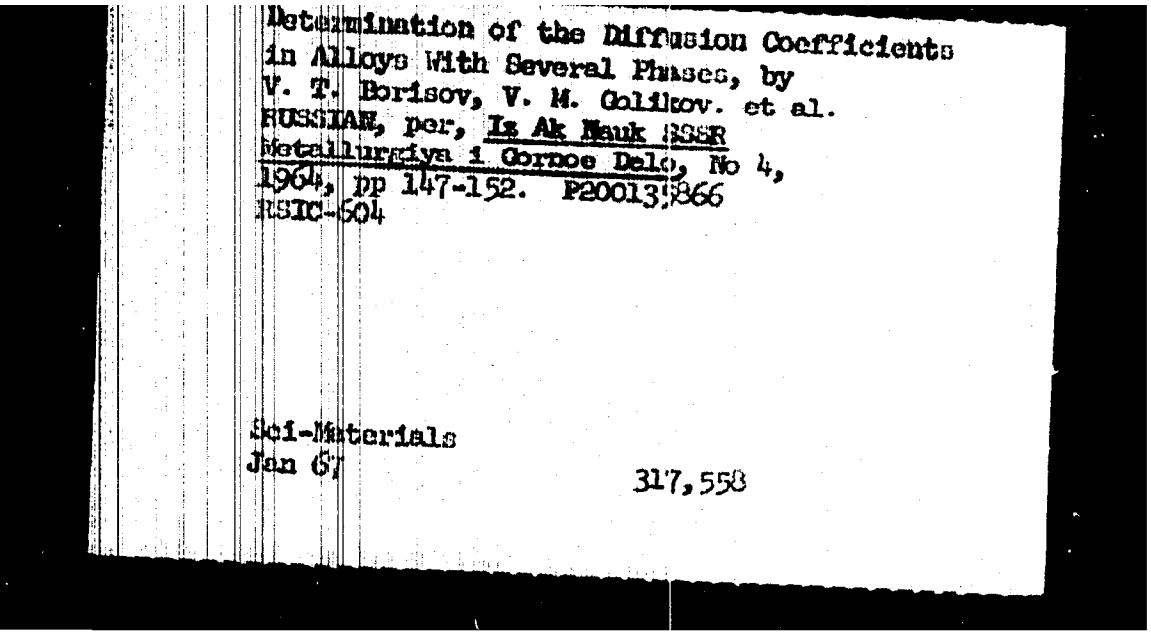

Determination of the Diffusion Coefficients in Alloys With Several Phases, by V. T. Borisov, V. M. Golikov. et al.
RUSSIAN, per, Is Ak Nauk SSSR Metallurgiya i Gornoe Delo, No 4, 1964, pp 147-152. P20013;866
RSIC-604

Sci-Materials
Jan 67

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

BD 87-61

Acad. Vladimir N. Markov on the Occasion of his 75th Birthday, by Svetoslav Burdarov, (SF-2124).

BULGARIAN, Per, Iz na Mikrobiol Inst, No 11, 1960, pp 3-10.

*JPRS/Special

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Biog
8 Jan 62

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Zhurbitskii, Z. I.
ON THE RESPONSIVENESS OF THE SUGAR BEET TO FERTILIZATION WITH CARBON DIOXIDE. Preliminary Communication. [1963] 30p. (figs. omitted) 29 refs.
Order from OTS or SLA $2.60 63-16078

Trans. of [Moskovskaya] Sel'skokhoz[yaistvennaya] Akad[emiya] [Izv[estiya]] (USSR) 1928, no. 2, p. 427-444

DESCRIPTORS: *Beets, *Carbon dioxide, *Fertilizers, Soils, Plants (Botany)

For abstract see Chemical Abstracts 25: 4962, 1931.

(Agriculture--Plant Cultivation, TT, v. 10, no. 11)

63-16078

I. Zhurbitskii, Z. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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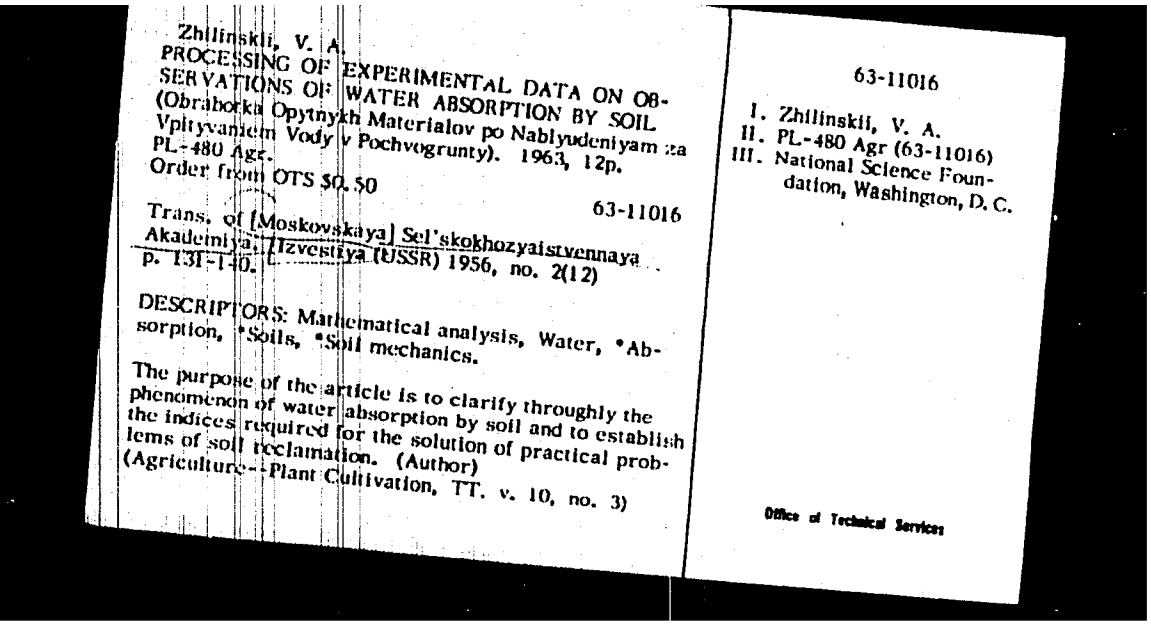

Zhilinskii, V. A.
PROCESSING OF EXPERIMENTAL DATA ON OBSERVATIONS OF WATER ABSORPTION BY SOIL (Obrabotka Opytnykh Materialov po Nablyudeniyam za Vpityvaniem Vody v Pochvogrunty). 1963, 12p.
PL-480 Agr.
Order from OTS $0.50

63-11016

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya Akademiya [Izvestiya (USSR) 1956, no. 2(12) p. 131-140.

DESCRIPTORS: Mathematical analysis, Water, *Absorption, *Soils, *Soil mechanics.

The purpose of the article is to clarify throughly the phenomenon of water absorption by soil and to establish the indices required for the solution of practical problems of soil reclamation. (Author)
(Agriculture--Plant Cultivation, TT. v. 10, no. 3)

63-11016

I. Zhilinskii, V. A.
II. PL-480 Agr (63-11016)
III. National Science Foundation, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

The Methods of Studying the Growth of Absorbing Roots of Fruit Trees, by E. V. Kolesnikov.

RUSSIAN, per, Iz Moskov Selskokhoz Ak , No , 1957, pp 51-60.

*PL-430

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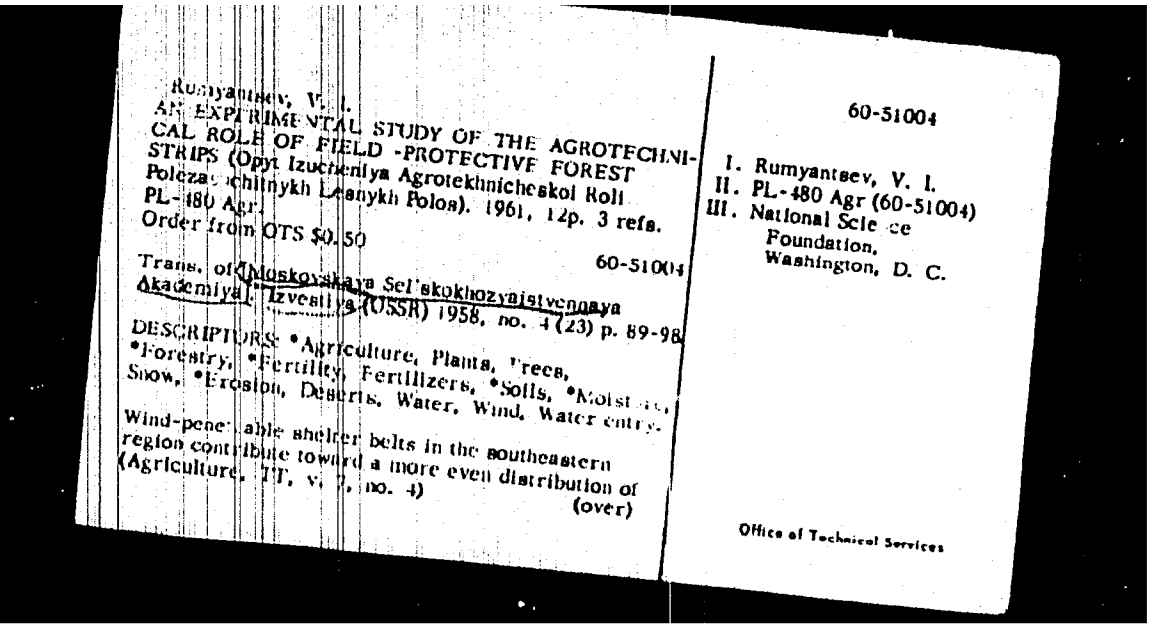
Jul 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Rumyantsev, V. I.
AN EXPERIMENTAL STUDY OF THE AGROTECHNICAL ROLE OF FIELD -PROTECTIVE FOREST STRIPS (Opyt Izucheniya Agrotekhnicheskoi Roli Polezashchitnykh Lesnykh Polos). 1961, 12p. 3 refs. PL-480 Agr.
Order from OTS $0.50

60-51004

Trans. of [illegible] Moskovskaya Sel'skokhozyaistvennaya Akademiya, Izvestiya (USSR) 1958, no. 4 (23) p. 89-98

DESCRIPTORS: *Agriculture, Plants, Trees, *Forestry, *Fertility, Fertilizers, *Soils, *Moisture, Snow, *Erosion, Deserts, Water, Wind, Water entry.

Wind-penetrable shelter belts in the southeastern region contribute toward a more even distribution of [illegible] (Agriculture, TT, v. 7, no. 4)

(over)

60-51004

I. Rumyantsev, V. I.
II. PL-480 Agr (60-51004)
III. National Science Foundation, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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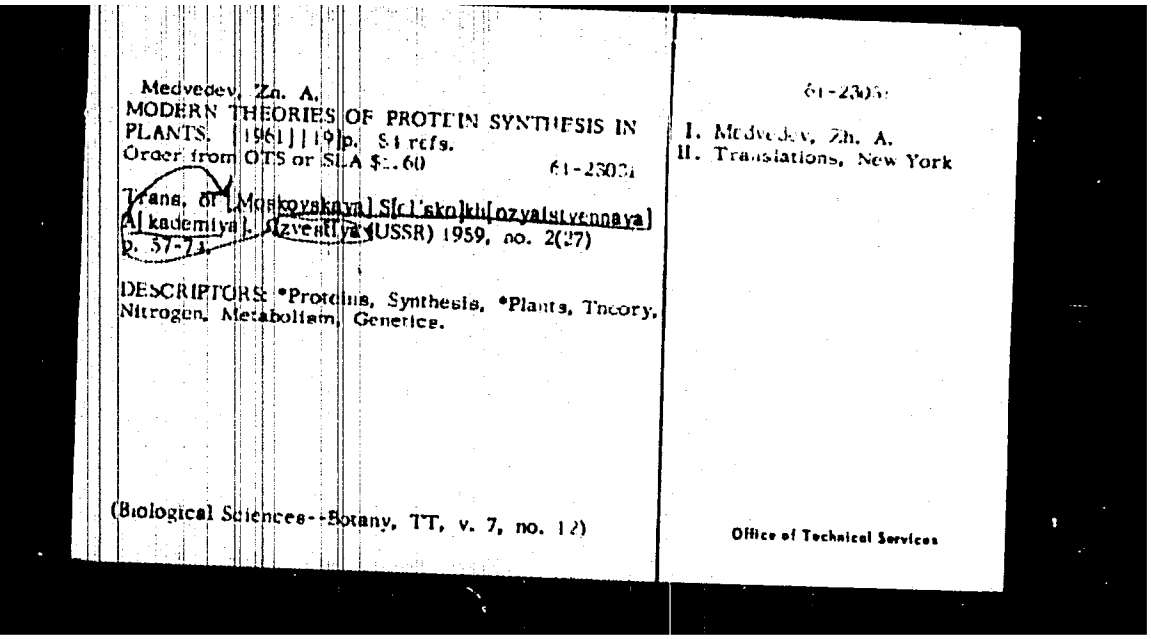

Medvedev, Zh. A.
MODERN THEORIES OF PROTEIN SYNTHESIS IN PLANTS. [1961] 19 p. 84 refs.
Order from OTS or SLA $2.60 61-25031

Trans. of [Moskovskaya] S[el'sko]kh[ozyaistvennaya] A[kademiya] I[zvestiya] (USSR) 1959, no. 2(27) p. 57-73.

DESCRIPTORS: *Proteins, Synthesis, *Plants, Theory, Nitrogen, Metabolism, Generics.

(Biological Sciences--Botany, TT, v. 7, no. 12)

61-25031

I. Medvedev, Zh. A.
II. Translations, New York

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Gunar, I. I. Sinyukhin, A. M. and others.
CHARACTERISTIC OF RESPONSIVE REACTIONS OF PLANTS TO ELECTRICAL IRRITATIONS (Elektrofiziologicheskaya Kharakteristika Razdrazhimosti Rastenii. Soobshchenie 2. Kharakteristika Otvetnykh Reaktsii Rastenii na Elektricheskie Razdrazheniya). Rept. no. 2 of Electrophysiological Characteristics of Irritability of Plants. 13 Nov 61, 26p. 20 refs. Trans. A-1312.
Order from OTS or SLA $2.60 62-13506

Trans. of [Moskovskaya] Sel'skokhoz[yaistvennaya] Akademiya. Izvestiya (USSR) 1961, no. 2(39) p. 7-19.

DESCRIPTORS: *Plants, Cells (Biology) Tissues (Biology) Metabolism, Excitation, Direct currents, Intensity, *Electrical effects.

An ability is inherent in the tissues of higher plants to pass into the state of excitation under the influence (Biological Sciences--Botany, TT, v. 7, no. 12) (over)

62-13506

I. Gunar, I. I.
II. Sinyukhin, A. M.
III. Title: Electro-physiological...
IV. Trans-A-1312

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Medvedev, Zh. A., and Khavkin, E. E.
A NEW GROUP OF BIOLOGICALLY IMPORTANT COMPOUNDS (NUCLEOTIDE-PEPTIDES) (Nukeotid-Peptidy -- Novaya Gruppa Biologicheski Vazhnykh Soedinenii). 4 Jan 63, 40p. 108 refs. Trans. A-1385. Order from OTS or SLA $3.60 63-15461

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya Akademiya. Izvestiya (USSR) 1962, no. 2(45) p. 188-189.

DESCRIPTORS: Biochemistry, *Nucleic acids, Cytochemistry, *Nucleotides, *Peptides, Ribonucleic acids, Synthesis Desoxyribonucleic acids.

(Biological Sciences--Biochemistry, TT, v. 9, no. 11)

63-15461

I. Medvedev, Zh. A.
II. Khavkin, E. E.
III. Trans-A-1385

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Priezzhev, G. V.
USE OF HETEROSIS IN BUCKWHEAT BREEDING (Ispol'zovanie Geterozisa u Grechikhi). 6 Jan 64, 15p
10refs Trans. A-1416.
Order from OTS, SLA, or ETC $1.60 TT-64-13343

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya Akademiya. Izvestiya (USSR) 1962 [no. 3] (46) p. 47-58.

(Agriculture--Plant Cultivation, TT, v. 12, no. 2)

TT-64-13343

1. Priezzhev, G. V.
II. Trans-A-1416

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Biological and Ecological Studies of the Potato-Moth Ghorimoschema (Phthorimaea) Operculella Zeller and Means for its Control in Bulgaria, by M. Stanev, A. Kajtazov.
RUSSIAN, per Izv. nauch. Inst. Yasht. Tast. No. 3, pp 49-89
GB 39/AE & CIAET 1017

Sci -
Aug 57

338-522

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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Stability of Hydrotechnical Structures Built on Permeable Sandy Soils, by R. N. Davidenkov, 29 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel'skogo Instituta Gidrotekh, Vol XIV, 1934, pp 195-209.

Sci Tr Center RT-259

Scientific - Engineering

10,157

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Method of Unsteady Flow Computations Proposed by N. M. Bernadskiy, as Applied to Flow Caused by Instantaneous Destruction of Dams, by B. V. Proskuryatov, 27 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel' Inst Gidrotekh, Vol XI, 1934.

Sci Tr Center RT-2893

Scientific - Engineering 30, 281
Jan 56 CIS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Experimental Investigation of the Accuracy of Elutriation Scales Used in Grain-Size Distribution Analysis, by G. B. Arkhangel'skiy, 57 pp
UNCLASSIFIED

RUSSIAN, per, Iz Nauchno-Issledovatel Institit Gid, Vol XV, 1935, pp 157-184.

Dept of Air
335

Sci Tr Center
RT-1088

Scientific - Geophysics

15,351

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Principles of the Hydromechanical Method of Solution of the Problem of Free Percolation Flow From Open Channels, by N. N. Pavlovskiy, 43 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel' Instituta Gidrotekh, Vol XIX, 1936, pp 5-24.

Sci Tr Center RT-260

Scientific - Engineering

10,162

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Ground-Water Movement Under Dams Structures Equipped With Drainage Openings, by N. T. Meleshchenko, 51 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel' Instituta Gidrotekh, Vol XIX, 1936, pp 25-48.

Sci Tr Center RT-258

Scientific - Engineering 10,160

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Calculation of Groundwater Flow Under Flat-Bottomed Structure Resting on Porous Soil Underlain by Inclined Watertight Strata, by N. T. Melashchenko, 12 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel'skogo Instituta Gidrotekhn, Vol XVIII, 1936, pp 44-49.

Sci Tr Center RT-246

Scientific - Engineering

10,163

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Direct Current Institute Reports, by N. N. Scherdrin, et al.

RUSSIAN, monograph, Izvestya NII Postoyannogo Toka, 1957.

*PP

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Melik-Sarkisov, B. S.
PROTECTION OF A DIRECT CURRENT TRANSMISSION LINE. [1960] [9]p. 5 refs. M 1095.
Order from LC or SLA mi$1.80, ph$1.80 60-13900

Trans. of Nauchno-issledovatel'skiy Institut Postoyannogo Toka. Izvestiya (USSR) 1957, v. 2, p. 84-95.

The article is a survey of the protective devices used in high voltage dc lines. It is based on material relating to the Kashira-Moscow dc transmission line and on studies elaborated for the Stalingrad-Donbass transmission line.

(Engineering--Electrical, TT, v. 5, no. 5)

60-13900

1. Transmission lines--Equipment
I. Melik-Sarkisov, B. S.
II. DSIR LLU M.1095

147,044

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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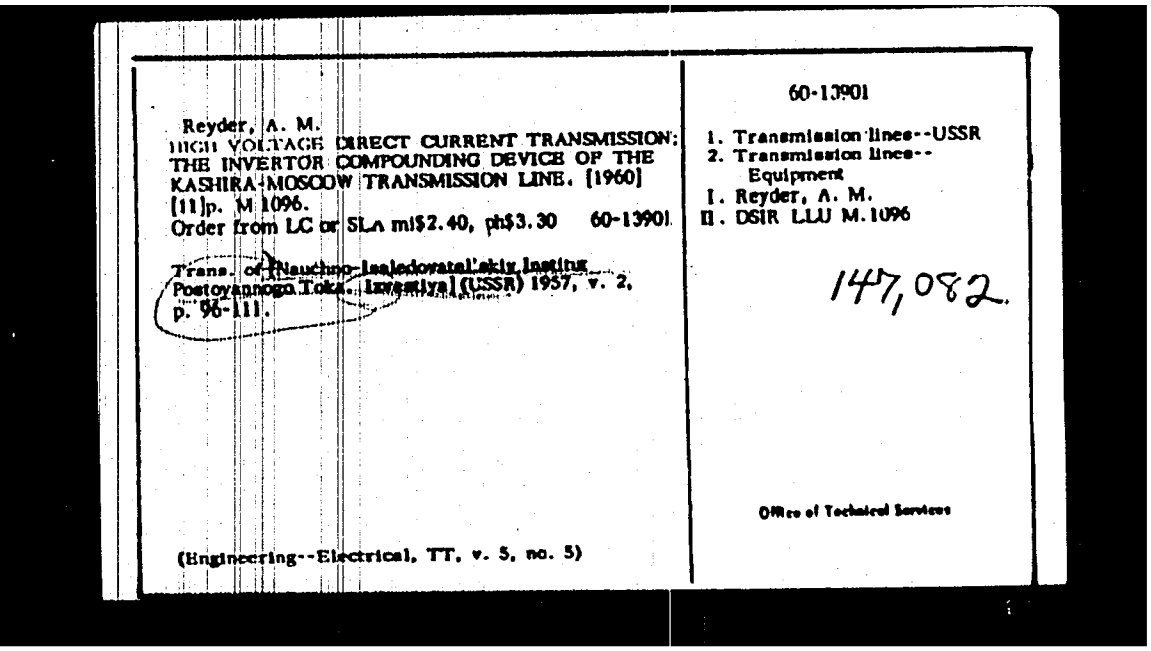


Reyder, A. M.
HIGH VOLTAGE DIRECT CURRENT TRANSMISSION: THE INVERTOR COMPOUNDING DEVICE OF THE KASHIRA-MOSCOW TRANSMISSION LINE. [1960]
[11]p. M 1096.
Order from LC or SLA mi$2.40, ph$3.30 60-13901

Trans. of Nauchno-issledovatel'skiy Institut Postoyannogo Toka. Izvestiya (USSR) 1957, v. 2, p. 96-111.

(Engineering--Electrical, TT, v. 5, no. 5)

60-13901

1. Transmission lines--USSR
2. Transmission lines--Equipment
I. Reyder, A. M.
II. DSIR LLU M.1096

147,082.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

pecific Parameters of the Equipment of the Convertor
ubstations of the Direct Current Transmission Line,
'ashira-Moscow, by M. G. Shektman, N. A. Shipulina.

USSIAN, per, Iz Nauch-Issled Institute Postoyannogo
'oka, Vol III, 1958, pp 129-142.

DSIR LLU M.1507
(loan)

128,747

ici - Electricity

kt 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Investigation of the Operation of Shunting Devices for the Direct Current Transmission lines, by B. S. Melik-Sarkisov, 11 pp

RUSSIAN, per, Iz Nauchno-Issled Institute Postoyannogo Toka, Vol III, 1958, pp 210-224.

DSIR LLU M.1509
(loan)

Sci - Engr

Sep 60

125,583

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

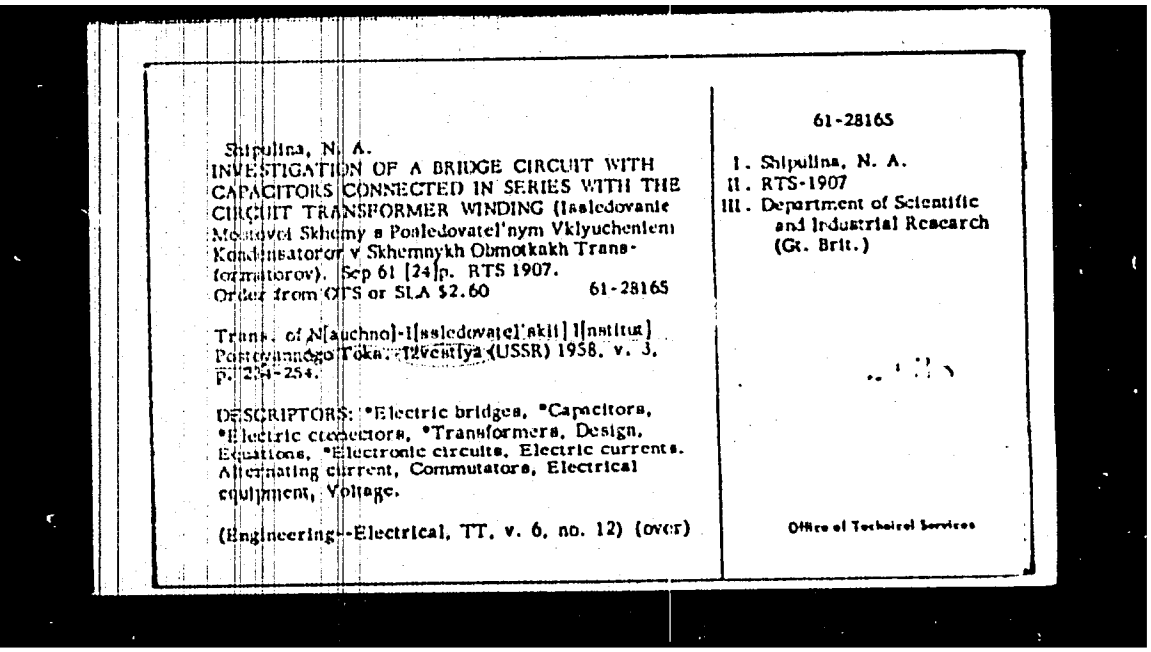
N. A. Shipulina

Study of the bridge connection with series-connected capacitors in secondary windings of transformers.
RUSSIAN, per, Izvestiya N II Postoyannogo Toka,
Vol
No 3, 1958
SDI trans 26382

may 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Shipulina, N. A.
INVESTIGATION OF A BRIDGE CIRCUIT WITH CAPACITORS CONNECTED IN SERIES WITH THE CIRCUIT TRANSFORMER WINDING (Issledovanie Mostovoi Skhemy s Posledovatel'nym Vklyucheniem Kondensatorov v Skhemnykh Obmotkakh Transformatorov). Sep 61 [24]p. RTS 1907.
Order from OTS or SLA $2.60 61-28165

Trans. of N[auchno]-I[ssledovate]l'skii] I[nstitut] Pomyshlennogo Toka. Trudy (USSR) 1958. v. 3, p. 253-254.

DESCRIPTORS: *Electric bridges, *Capacitors, *Electric capacitors, *Transformers, Design, Equations, *Electronic circuits, Electric currents, Alternating current, Commutators, Electrical equipment, Voltage.

(Engineering--Electrical, TT, v. 6, no. 12) (over)

61-28165

I. Shipulina, N. A.
II. RTS-1907
III. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

The Maint Features of a Circuit With Capacitor Connection of the Bridge Convertors in DC Transmission, [illegible] by M. M. Mel'gunov.

RUSSIAN, per, Iz Ak Nauk Issled Inst Postoyannogo Toka, No 3, 1958, pp 255-281.

NLL/RTS 1908

Sci - Electricity

Apr 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Operation of a Three-Phase Bridge Inverter Fed From Two Single-Phase Transformers With Windings Connected to Form an "Open Delta" System, by A. M. Pintsov, Yu. S. Kraichik.

RUSSIAN, per, Iz Ak Nauk Issled Inst Postoyannogo Toka, No 4, 1959, pp 97-113.

NLL/RTS 19623

Sci - Electron

Axpr 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Choice of Minimum Permissible Air Gaps for Protection Against Internal Surges in Lines Substations and Certain Equipment in the 220 - 700 kV Range, by N. N. ~~ZIKXXX~~ Tikhodeyev, A. N. Tushnov,

RUSSIAN, per, Iz Nauch-Issled Inst Postoyannogo Toka, No 4, 1959, pp 125-152.

MLL M.4022

Sci - Engr
Feb 62

186,574

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Operating Cycles and External Characteristics of a Twelve-Phase Cascade-Bridge Conversion Circuit, by M. G. Shekhtman.

RUSSIAN, per, Iz Ak Nauk Issled Inst Postoyannogo Toka, No 5, 1960, pp 23-63.

NLL/RTS 1899

OT. 62-[illegible]

Sci - Electricity

Apr 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Smirnov, G. V.
CORRECTOR FOR COMPOUNDING SYSTEM, tr. by L. Gradasoff. July 62 [8]p. 1 ref.
Order from OTS or SLA $1.10 62-32775

Trans. of Nauchno-Issledovatel'skii Institut Postoyannogo Toka. Izvestiya (USSR) 1960, v. 6, p. 149-154.

DESCRIPTORS: *Transmission lines, Attenuation, Distortion, Corrections, Electrical equipment.

To insure a stable and economic performance of inverter on d-c transmission, it is necessary to maintain automatically the magnitude of extinction agles of the valves. This article describes one of the several alternate designs of corrector whose purpose is to reset the angle of extinction when it departs from a predetermined value.

(Engineering--Electrical, TT, v. 10, no. 7)

62-32775

I. Smirnov, G. V.
II. Bonneville Power Administration, Portland, Ore.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Koval'skaya, O. T., Lavrukhin, A. M. andothers. A COMPARISON OF CORONA LOSSES ON DC AND AC TRANSMISSION LINES WITH IDENTICAL BUNDLE CONDUCTORS (Sravnenie Poter'na Koronu na Liniyakh Peredachi Peremennogo i Postoyannogo Toka s Odinakovymi Rasshchyplennymi Provodami) tr. by G. Belkov. 1962, 9p. 10 refs. NRCC Technical trans. 1047.
Order from NRCC $0.50 NRCC C-4130

Trans. of Nauchno-Issled[ovate]'skii Inst[itut] Postoyan[nogo] Toka: Izvest[iya] (USSR) 1960, v. 6, p. 155-163.

DESCRIPTORS: *Electrical corona, *Transmission lines, Electric cables, Meteorology.

(Engineering--Electrical, TT, v. 9, no. 7)

63-12695

I. Koval'skaya, O. T.
II. Lavrukhin, A. M.
III. NRCC TT-1047
IV. NRCC C-4130
V. National Research Council of Canada

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Thunderstrom Resistance Characteristics of 35 to 500 KV Electric Power Transmission Lines, by A. V. Korsuntsev, L. Ye. Kuznetsova.
RUSSIAN, per, Izvestiya NIE Postoyannogo Toka, No 10, 1965, pp 18-37.
CIA X-6485

Sci-Electr
Feb 68

348,838

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Investigation of the Volt-Second Characteristics of Insulator Chains, by N. N. Solomonov, M. P. Taburdanovo.
RUSSIAN, per. Izvestiya NIR Postoyannogo Toka, No 10, 1965, pp 38-59.
CIA X-6484

Sci-Electr
X Feb 68

548,839

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Model with 1,000 CPS Frequency for Investigating Switching Overvoltages in AC Electric Power Transmission, by A. V. Korsuntsev, K. I. Pokrovskaya.
RUSSIAN, per, Izvestiya NIR Postoyannogo Toka, No 10, 1963, pp 55-69.
CIA X-6483

Sci-Electr
Feb 68

548,840

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Mathematical Statistical Method of Determination of the Stability Reserve of Steady State Operating Conditions of Electric Power Lines, by
U. A. Rozovsky.
RUSSIAN, per, Izvestiya NIR Postoyannogo Toka ,
No 10, 1965, pp 141-150.
CIA K-6486

Sci-Math
Feb 68

348,837

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

(NY-6337)

From the Experience of Converting Industrial Enterprises to the Seven- and Six-Hour Workday in 1956-1958, by A. L. Maksimov, 79 pp.

RUSSIAN, bk, Iz Opyta Perekhoda Promyshlennykh Predpriyatiy na Semi - i Shestichasovoy Rabochiy Den' v 1936-1958 GG, M 1959, pp 1-45, 110-146.

JPRS 9812

163,947

USSR

Econ

Aug 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Dem'yanov, N. Ya. and Vil'yams, V. V.
THE REACTIVITY OF UNSATURATED HYDROCARBONS WITH NITROUS ANHYDRIDE AND NITRIC OXIDE. THE PRODUCT OF THE ACTION OF N_2O_3 ON CYCLOPENTENE. 1940. 20p. 6 refs.
Order from OTS or SLA $1.60 63-10360

Trans. of Akademiya Nauk SSSR. Otdelenie Matematicheskikh i Estestvennykh Nauk Izvestiya, 1931, no. 7, p. 1123-1140.

DESCRIPTORS: Hydrocarbons, *Cyclopentenes, *Nitrogen compounds, Oxides, Anhydrides, Chemical reactions

(Chemistry--Organic, TT, v. 10, no. 2)

63-10360

I. Dem'yanov, N. Ya.
II. Vil'yams, V. V.
III. Title: Product...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Experimental Investigation of Solvation of Surfaces and Its Application to the Development of a Mathematical Theory of Lyophile Colloids, by B. Deryagin, M. Kusadov.

RUSSIAN, per, Iz Otdel Matemat i Esterestvennikh Nauk, Ak Nauk SSSR, 1937, pp 1119-1150.

*FTD-TT- 2-15 4

Sci
Jul 63

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Contribution to a Knowledge of the Fauna of the Kara Sea, by I. D. Strel'nikov.

RUSSIAN, per, Iz Petrograd Nauch Inst imeni P. F. Lesgafta, Vol VI, Petrograd, 1923, pp 71-80.

Navy Tr 1256/RO 310

Scientific - Geophysics; Biology

Jan 55 CTS/DEX

29,995

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Gnatovskii, V. I.
AN EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER DURING STEAM CONDENSATION IN THE CHANNELS OF A SPIRAL HEAT EXCHANGER (Eksperimental'noe issledovanie Teplootdachi pri Kondensatsii Para v Kanalakh Spiral'nogo Teploobmennika). Feb 64 [5p] RTS-2519.
Order from OTS, SLA, or ETC $1.10 TT-64-13743

Trans. of Politekhn[icheskii] Inst[itut] Kiev. Izv[estiya] 1958, v. 28, p. 30-33.

DESCRIPTORS: *Heat transfer, *Heat exchangers, Steam, Condensation, Heat transfer coefficients, Velocity, Pressure, Design.

(Physics--Thermodynamics, TT, v. 11, no. 9)

TT-64-13743

I. Gnatovskii, V. I.
II. RTS-2519
III. National Lending Library for Science and Technology, Boston Spa (England)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Mitrofanova

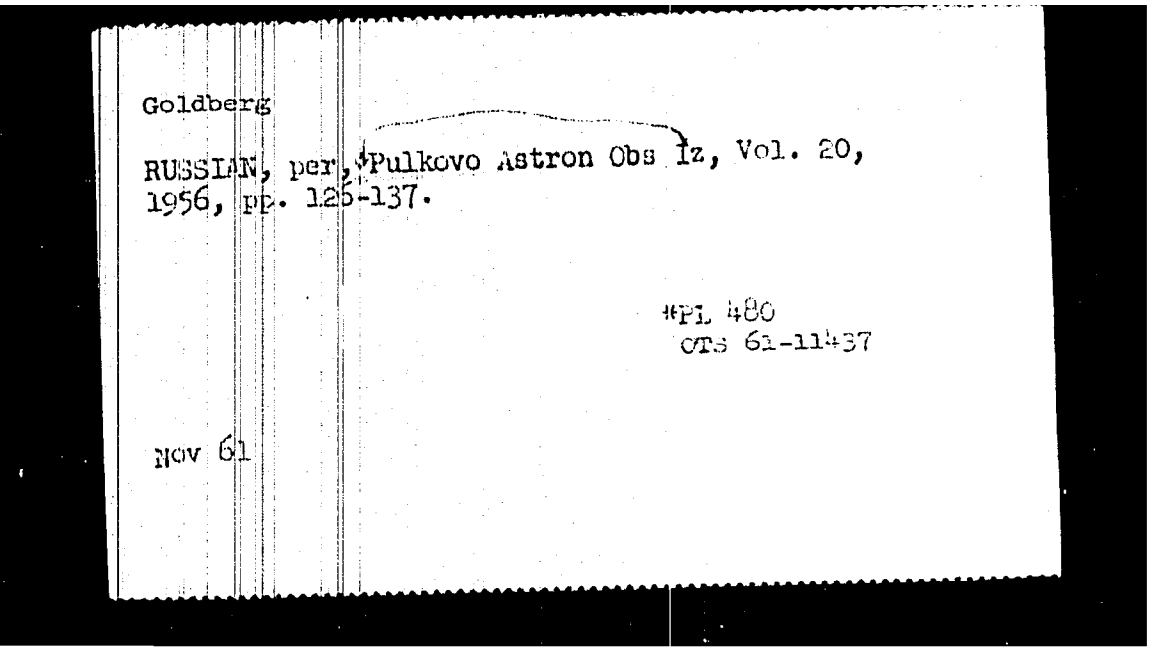
RUSSIAN, per, Iz Pulkovo Astron Obs, Vol. XIX, (152), 1954, pp. 100-102.

*PL 480
OTS 61-11437

Nov 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Goldberg

RUSSIAN, per, Pulkovo Astron Obs Iz, Vol. 20, 1956, pp. 125-137.

#PL 480
OTS 61-11437

Nov 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Speed of Solution of Compounds of Potassium, Aluminum, and Iron of Natural Phosphates by Mineral Acids, by A. V. Kazakov, 26 pp.

RUSSIAN, Ier, Iz Resul't Veget Opytov L_ab Rabot, Vol IX, 1913, pp 21-45.

SLA R-2810

Sci

Jul 59

92,602

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Softening and Bending of Carbon at High Temperatures, by I. S. Plotnikov, 8 pp.
UNCLASSIFIED

Full translation.

RUSSIAN, per, Iz Ross Ak Nauk, Vol XI, Petrograd, 1917, pp 883-890.

Navy Tr 610/NRL 349

Jun 52 CTS

Scientific - Engineering

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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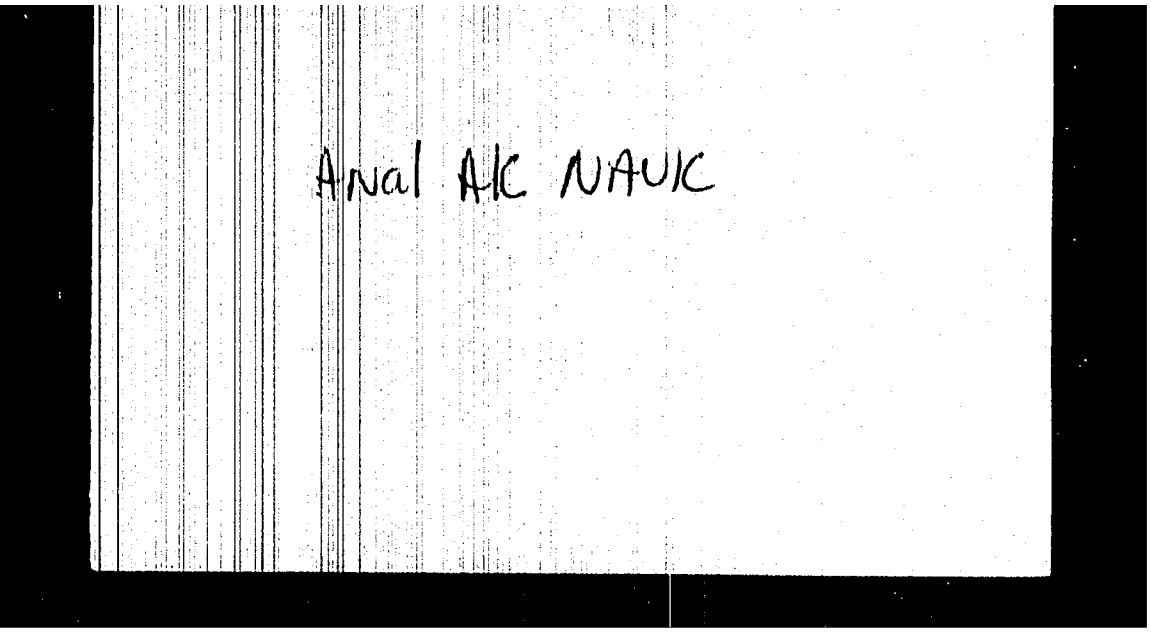

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Measurement of Interface Impedance as a Method of Physico-Chemical Research, by P. P. Porfirov, 7 pp.

RUSSIAN, per, Iz Sektora Fiziko-Khimicheskogo Analiza, Acad Nauk SSSR, Vol VIII, 1936, pp 135-140.

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USSR
Scientific - Chemistry
CIA 2201692

Jan 54 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Transformations in the Middle Part of the System Al-Mg (excerpts), by N. S. Kurnakov, N. K. Mikheyeva, 17 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal Inst Obshch Neorgan Khim Ak Nauk SSSR, Vol XIII, 1940, pp 209-224.

AEC/SCL-T-244

Sci & Chem

Jun 59

88,895

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Double Decomposition in Absence of Solvent. Part LIV. A Quaternary Mutual System of Fluorides, Chlorides, and Bromides of Sodium and Potassium. Na, K\|F, Cl, Br, by V. D. Polyakov, 33 pp.

RUSSIAN, per. Iz Sek Fiz-Khim Anal Inst Obshch i Neorgan Khim, Vol XIII, 1940, pp 299-320.

Sci Trans Center RT-955

14,044

Scientific - Chemistry
CTS/DEX

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Electrical Conductivity of the System H_2SO_4-H_2O. V.
by F. Ya. Kachkintsev, A. M. Zhdanov, 7 pp.

RUSSIAN, per, Iz Sektora Fiz-Khim Anal Inst Obshch
i Neorg Khim, Vol XIV, 1941, pp 205-210.

SLA R-3336

Sci

Aug 59

93,614

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Area of Solid Solutions of Potassium and Ammonium Phosphates in an Aqueous System of $NH_4H_2PO_4$ KCl KH_2PO_4 KH_4Cl at 0°, by M. I. Ravich, Z. V. Popova, 18 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal Inst Obshch i Neorg Khim, Vol XIV, 1941, pp 373-386.

SLA R-3337

Sci

Aug 59

93,606

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Lengauer, D.
CONCERNING THE MANUFACTURE OF A NEW TYPE OF POTASSIUM RAW MATERIAL INTO POTASSIUM CHLORIDE, POTASSIUM MAGNESIUM SULFATE AND POTASSIUM SULFATE. [1963] 43p. 16 refs.
Order from OTS or SLA $4.60 63-14645

Trans. of [Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya] 1941, v. 14, p. 411-430.

DESCRIPTORS: *Potassium compounds, Magnesium compounds, Chlorides, Sulfates, Manufacturing methods, Rock salt, Solvent action, Crystallization, Decomposition, Fertilizers.

The possibility is demonstrated of reprocessing of a new type of potassium raw material into products used (Engineering--Chemical, TT, v. 10, no. 7) (over)

63-14645

1. Title: Langbeinite
2. Title: Kainite
I. Lengauer, D.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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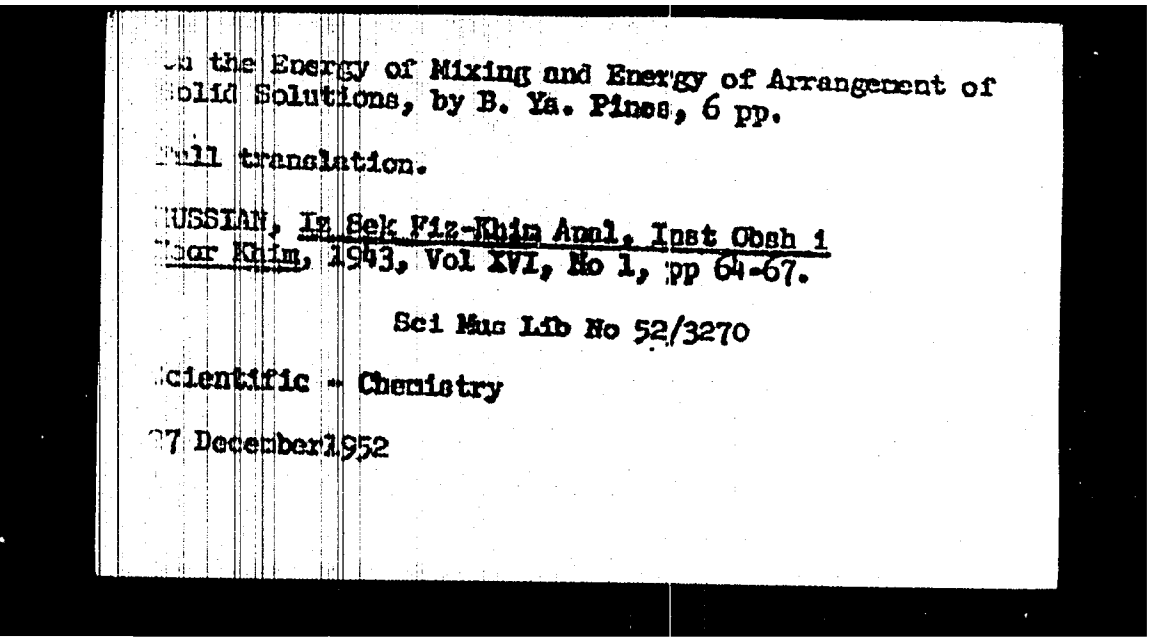

...n the Energy of Mixing and Energy of Arrangement of ...olid Solutions, by B. Ya. Pines, 6 pp.

...ull translation.

...USSIAN, Iz Sek Fiz-Khim Anal, Inst Obsh i ...ar Khim, 1943, Vol XVI, No 1, pp 64-67.

Sci Mus Lib No 52/3270

...cientific - Chemistry

...7 December 1952

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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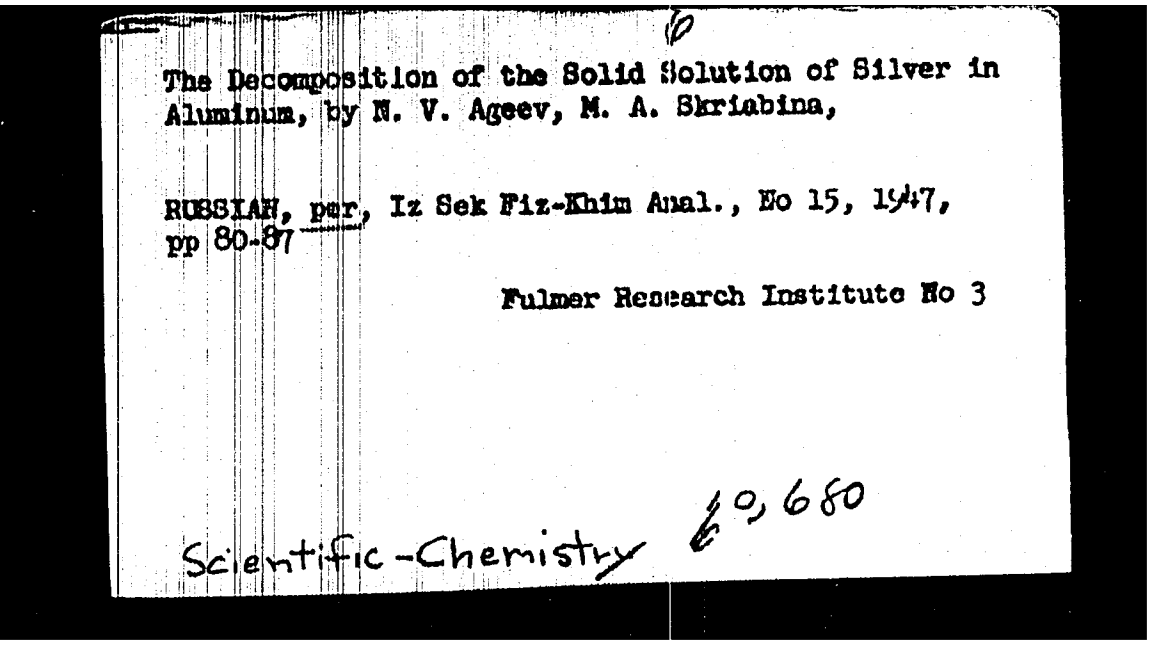

The Decomposition of the Solid Solution of Silver in Aluminum, by N. V. Ageev, M. A. Skriabina,

RUSSIAN, per, Iz Sek Fiz-Khim Anal., No 15, 1947, pp 80-87

Fulmer Research Institute No 3

Scientific-Chemistry £0,680

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

External Components of the Fusion Diagram of the Quaternary Reciprocal System NH_4, K Cl, NO_3, H_2PO_4, by A. G. Bergman, 5½ pp.

RUSSIAN, per, Invest Sektora Fiz Khim Anal, Inst Obshchei i Neorg Khim, Akad Nauk SSSR, Vol XV, 1947, pp 157-199.

SLA R-2857

Sci

Jul 59

92, 394

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Fusion Diagram of the Quaternary Reciprocal System NH_4, K// Cl, No 3, H_2PO_4, by A. G. Bergman, V. P. Radishchev, I. N. Nikonova, 39 pp

RUSSIAN, per, Izvest Sektora Fiz-Khim Anal Inst Obshchei i Neorg Khim Akad Nauk SSSR, Vol XV, 1947, pp 200-233.

SLA R-3051

Sci

Jul 59

92, 391

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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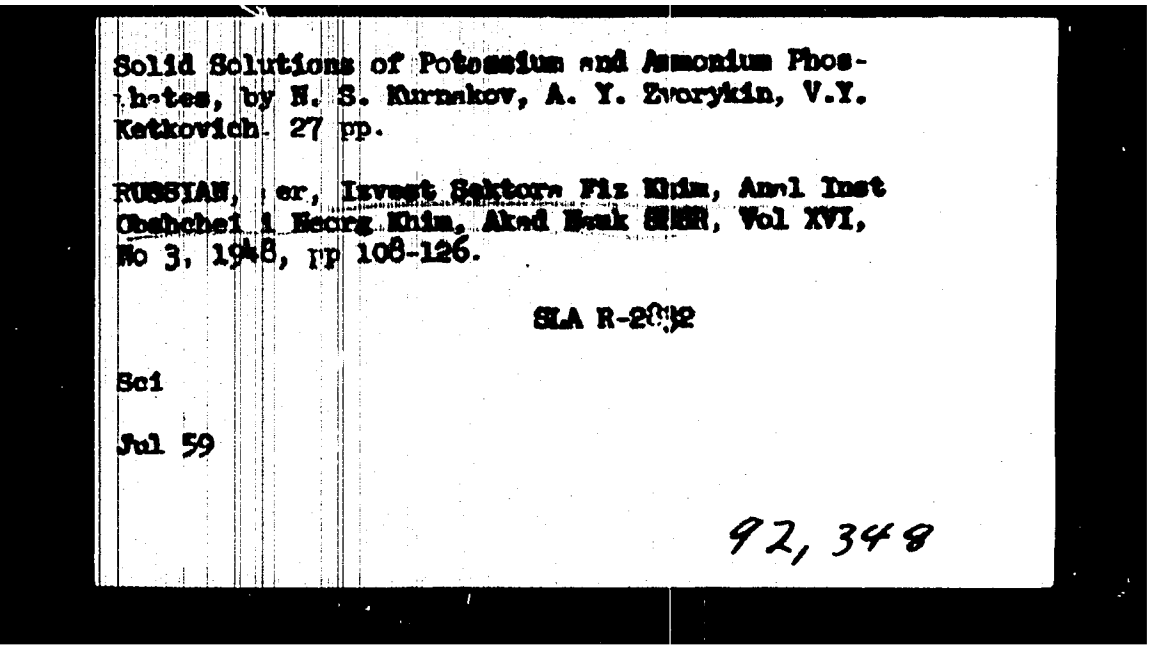

Solid Solutions of Potassium and Ammonium Phos-
phates, by N. S. Kurnakov, A. Y. Zvorykin, V.Y.
Ketkovich. 27 pp.

RUSSIAN, Paper, Izvest Sektora Fiz Khim, Aml Inst
Obshchei i Neorg Khim, Akad Nauk SSSR, Vol XVI,
No 3, 1948, pp 108-126.

SLA R-2[illegible]2

Sci

Jul 59

92, 348

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

New Method for the Study of the Bending Strength of Metallic Systems at High Temperatures, by I. I. Kornilov, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Sektor Fiz-Khim, Anal, Vol XVIII, 1948 (?), pp 72-82.

25,180 Sci Mu Lib Tr 55/0925

Scientific - Physics Jul 55 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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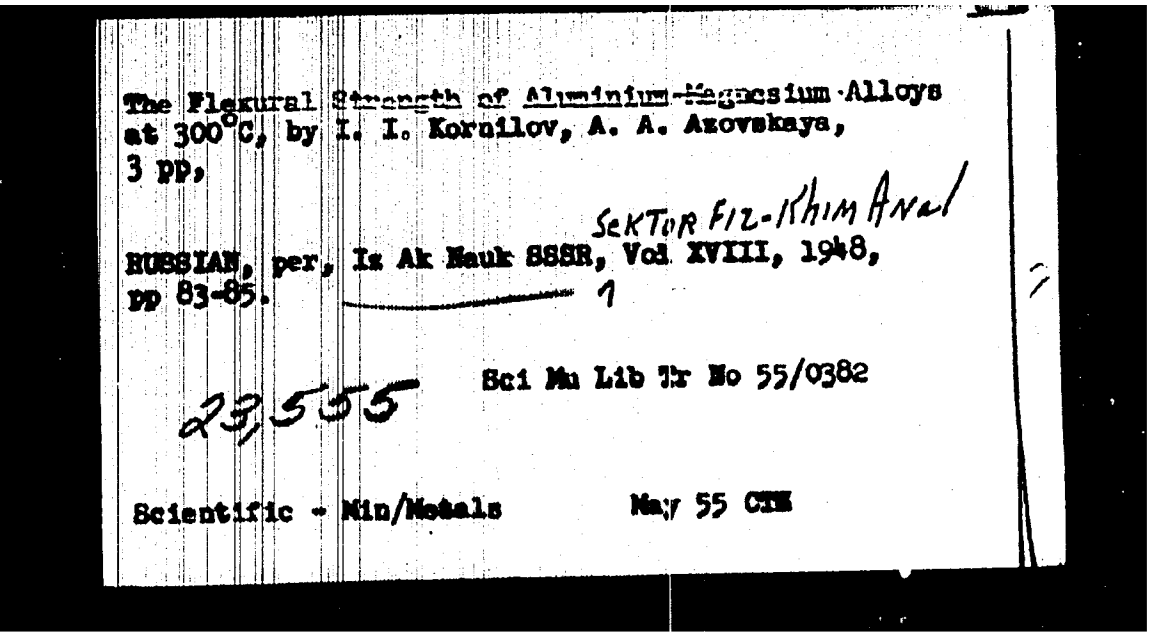

The Flexural Strength of Aluminium-Magnesium Alloys at 300°C, by I. I. Korniilov, A. A. Azovskaya, 3 pp,

SEKTOR FIZ-KHIM ANAL

RUSSIAN, per, Iz Ak Nauk SSSR, Vol XVIII, 1948, pp 83-85.

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Sci Mu Lib Tr No 55/0382

Scientific - Min/Metals May 55 CTM

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Topology of Reciprocal Complex Formations in Ternary and Quaternary Systems, by A. G. Bergman, G. A. Bukhalova, 15 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal Inst Obshch Neorg Khim Ak Nauk SSSR, Vol XIX, 1949, pp 33-50.

AEC Tr 2421 33,259

Sc1 - Chemistry, Physics
Apr 56

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Klochko, M. A.
THE ANALOGY BETWEEN THE PHASE RULE AND EULER'S THEOREM FOR POLYHEDRONS. [1962] 12p. 10 refs.
Order from OTS or SLA $1.60 62-14847

Trans. of Akad[emiya] Nauk SSSR. Sektor Fiz[iko]-Khim[icheskogo] Anal[iza]. Izv[estiya] 1949, v. 19, p. 82-88.

DESCRIPTORS: *Geometric forms, Phase studies, *Chemical equilibrium, Physical chemistry, Chemical analysis, Algebraic topology, Analysis.

The analogy between the mathematical formulation of the phase rule and Euler's theorem is purely one of form based on the similarity of certain algebraic groupings. Nevertheless, the study of topological rules, such as Euler's theorem, inherent in phase diagrams is useful for the profound understanding of chemical equilibria. (Author)

62-14847

1. Title: Euler's theorem
I. Klochko, M. A.

(Journal of Physical Chemistry), [illegible], v. 9, no. 5)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

The Chemistry of Multicomponent Systems, by A. G. Bergman, 15 pp.

RUSSIAN, per, Iz Sektora Fiz-Khim Analiza Ak Nauk, SSSR, Vol XIX, 1949, pp 113-119.

Sci Trans Center
RT-2196

Scientific - Chemistry Feb 55 CTS/DSX

21,482 SLA R-2[illegible]

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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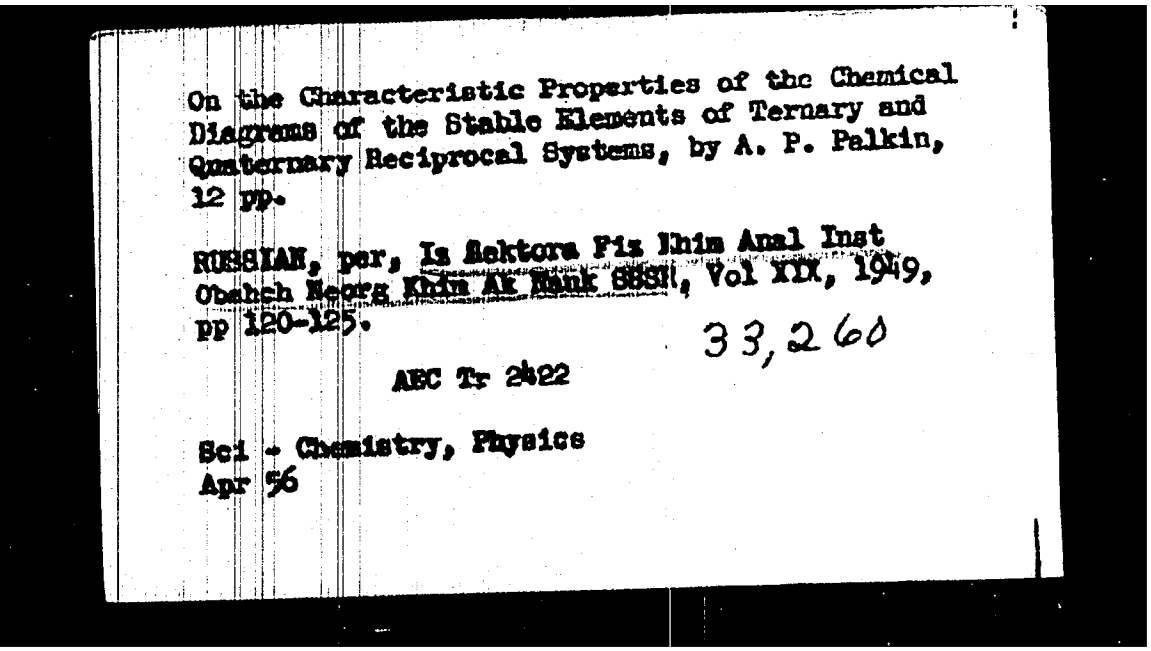


On the Characteristic Properties of the Chemical Diagrams of the Stable Elements of Ternary and Quaternary Reciprocal Systems, by A. P. Palkin, 12 pp.

RUSSIAN, per, Is Sektora Fiz Khim Anal Inst Obshch Neorg Khim Ak Nauk SSSR, Vol XIX, 1949, pp 120-125.

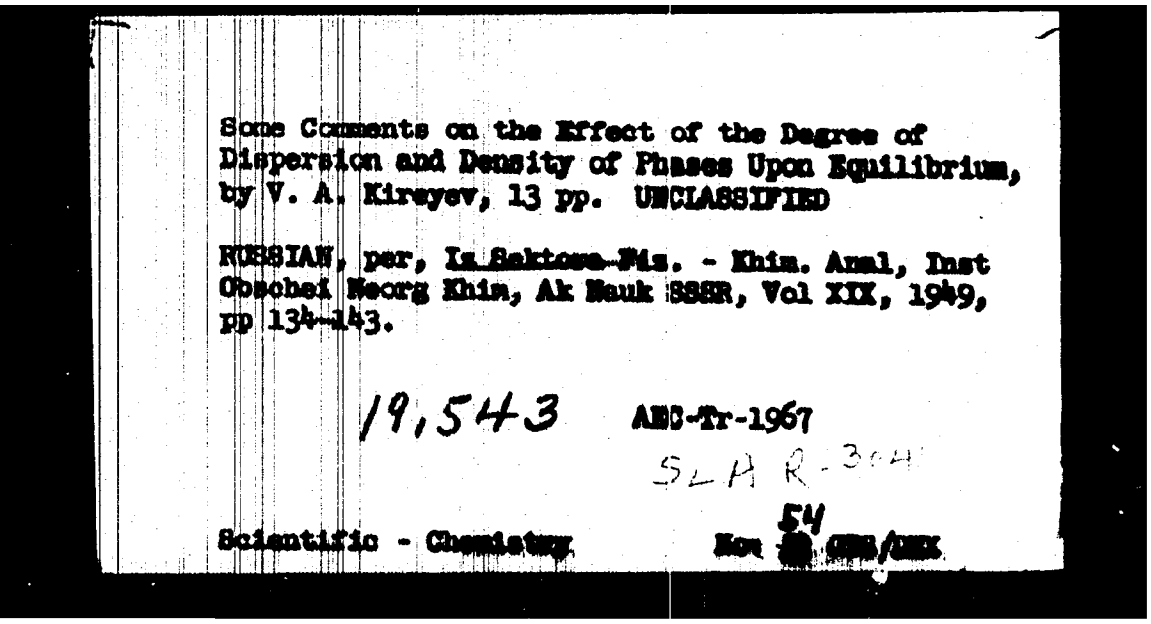
33,260

AEC Tr 2422

Sci - Chemistry, Physics
Apr 56

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Some Comments on the Effect of the Degree of Dispersion and Density of Phases Upon Equilibrium, by V. A. Kireyev, 13 pp. UNCLASSIFIED

RUSSIAN, per, Iz Sektora Fiz. - Khim. Anal, Inst Obschei Neorg Khim, Ak Nauk SSSR, Vol XIX, 1949, pp 134-143.

19,543 AEC-Tr-1967

SLA R-304

54

Scientific - Chemistry

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Electric Conductivity, Viscosity and Density of the Fused Binary Salt Systems With a Simple Eutectic, by I. P. Vereshchetina, N. P. Luzhnaja, 33 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal Inst Obshch Neorg Khim Ak Nauk SSSR, Vol XIX, 1949, pp 188-207.

AEC Tr 2423

RT-2151
33,261

Sci - Chemistry, Electricity

Apr 56

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Yanat'eva, O. K.
INVESTIGATION OF EQUILIBRIA IN THE MARINE SYSTEM K, Na, Mg // Cl, SO_4--H_2O, PT. 1 (Issledovanie Ravnovesii v Morskoi Sisteme K, Na, Mg // Cl, SO_4--H_2O pri 25°). [1962] [34]p. (foreign text included) 19 refs.
Order from OTS or SLA $3.60 62-16438

Trans. of Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya, 1949, v. 17, p. 370-382.

DESCRIPTORS: Minerals, *Crystals, *Potassium, *Sodium, *Magnesium, Chlorides, Sulfates, Hydrates, Chemical equilibrium, Fertilizers.

The 25° solubility isotherm was studied of the quaternary system K_2SO_4— Na_2SO_4—$MgSO_4$—H_2O, which enters into the composition of the five-component marine system K, Na, Mg || Cl, SO_4 H_2O. The (Earth Sciences--Mineralogy, TT, v. 8, no. 10)(over)

62-16438

1. Title: Marine systems
I. Yanat'eva, O. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

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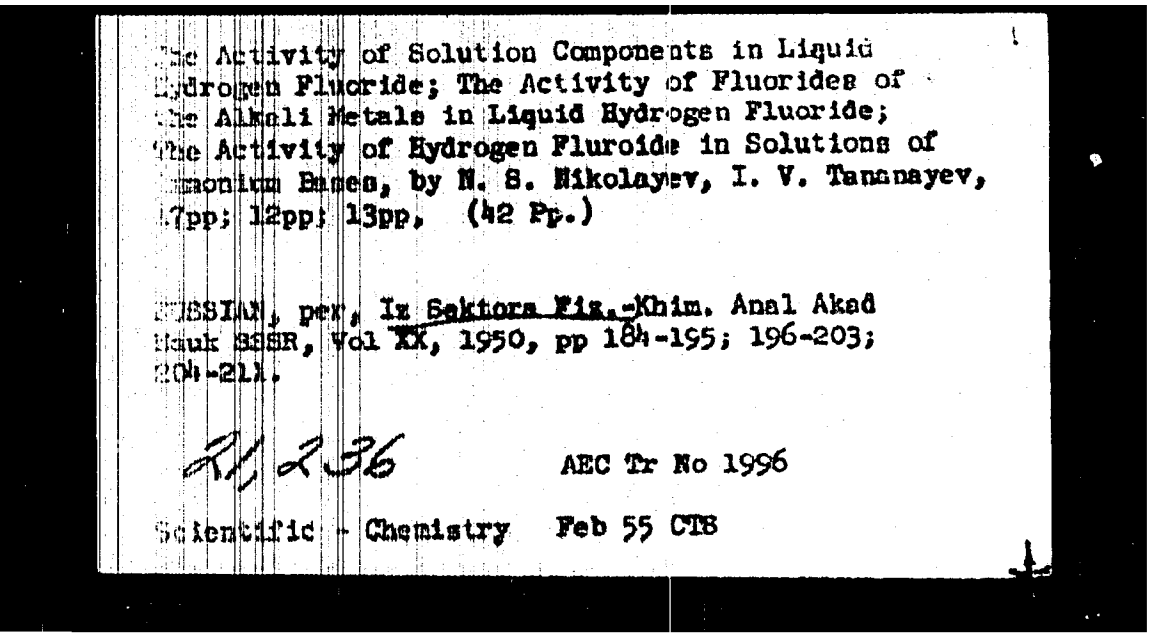


The Activity of Solution Components in Liquid Hydrogen Fluoride; The Activity of Fluorides of the Alkali Metals in Liquid Hydrogen Fluoride; The Activity of Hydrogen Fluroide in Solutions of Ammonium Bases, by N. S. Nikolayev, I. V. Tananayev, 17pp; 12pp; 13pp, (42 Pp.)

RUSSIAN, per, Iz Sektora Fiz.-Khim. Anal Akad Nauk SSSR, Vol XX, 1950, pp 184-195; 196-203; 204-211.

RL 236 AEC Tr No 1996

Scientific - Chemistry Feb 55 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

The Solubility of Dolomite in Aqueous Salt Solutions, by O. K. Yanat'eva.

RUSSIAN, per, Iz.Sektora Fiziko-Khimicheskogo Analiza Institute Obshch i Neorganicheskoi Khim, Vol XX, 1950, pp 252-268.

36,107
Assoc Tech Serv RJ-381

Scientific - Chemistry

Jun 56/dax

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Drakin, S. I.
A NEW METHOD OF SEGREGATING EUTECTIC ALLOYS [Paper] presented at All-Union Conference of Physico-Chemical Analysis (no. 2) 31 Jan 50. [1962] 9p. 3 refs.
Order from OTS for SLA $1.10 62-18910

Trans. of Akad[emiya] Nauk SSSR, Sektor Fiz[iko]-Khim[icheskogo] Analiza, Izvestiya, 1950, v. 20, p. 341-344.
Another trans. is available from LC or SLA ml$1.80, ph$1.80 as 61-10290 [1960].

DESCRIPTORS: *Bismuth alloys, *Cadmium alloys, Separation, Tin alloys, *Eutectics.

For abstract see Technical Translations 5: 180, 1961.

(Chemistry--Physical, TT, v. 9, no. 3)

62-18910

I. Drakin, S. I.
II. Title: All-Union. . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Thermographic Method of Determining Heat Effect,
by A. F. Kapustinskiy, Yu. P. Barskiy.
RUSSIAN, per, Iz Sektora Fiz-Khim Anal, Ak Nauk SSSR,
Vol XX, 1950, pp 317-325. 9t95962
DDC-RSIC-362

Sci - Phys
Mar 65 275,027

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

Solubility Isochrones-Isotherms of Apatite in the System H_2SO_4-H_3PO_4-H_2O as Example of Topochemical Kinetics, and the Production of Superphosphate, by E. B. Brutskus and M. L. Chepelevetskiy, 7 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal, Ak Nauk SSSR, Vol XX, 1950, pp 383-388.

SLA R-2261

Sci

Aug 58

72,159

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

The Decomposition of Solid Solutions in Phosphorus-Sulfur Systems, by V. V. Illarionov, T. I. Sokolova, 5 pp.

RUSSIAN, per, Iz Sektora Fiz Khim, Anal Akad Nauk SSSR, Vol XXI, 1952, pp 153-158.

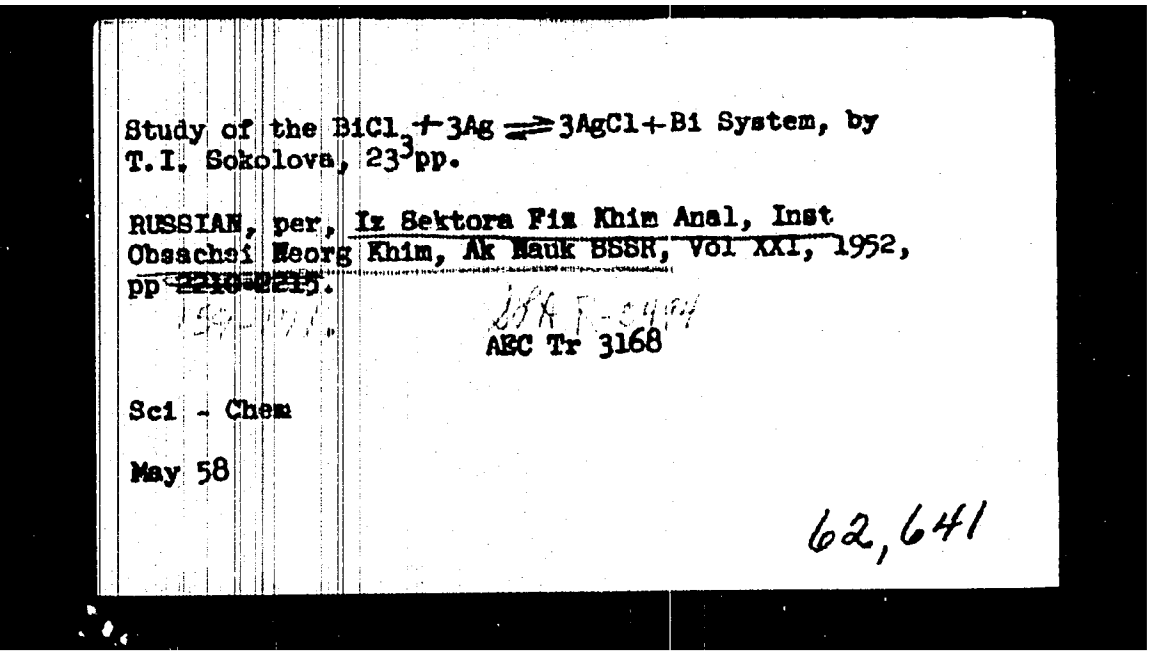
CIA/FDD/XX-46

Scientific - Chemistry Jan 56 CTS/DEX

LAC INTERNAL USE ONLY 30,367

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130016-4



Study of the $BiCl_3 + 3Ag \rightleftharpoons 3AgCl + Bi$ System, by T.I. Sokolova, 23 pp.

RUSSIAN, per, Iz Sektora Fiz Khim Anal, Inst Obsachei Neorg Khim, Ak Nauk SSSR, Vol XXI, 1952, pp 2210-2215.

AEC Tr 3168

Sci - Chem

May 58

62,641

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